



1600

ENTERED

RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/706,507

DATE: 03/11/2002
 TIME: 10:11:19

Input Set : A:\EP.txt
 Output Set: N:\CRF3\03112002\I706507.raw

RECEIVED
 1600/2002
 #12

1627

3 <110> APPLICANT: Cambridge Antibody Technology
 4 Cambridge Antibody Technology Limited
 5 Medical Research Council
 6 McCafferty, John
 7 Pope, Anthony
 8 Johnson, Kevin
 9 Hoogenboom, Hendricus
 10 Griffiths, Andrew
 11 Jackson, Ronald
 12 Holliger, Kasper
 13 Marks, James
 14 Clackson, Timothy
 15 Chiswell, David
 16 Winter, Gregory
 17 Bonert, Timothy
 19 <120> TITLE OF INVENTION: Methods for Producing Members of Specific Binding Pairs
 21 <130> FILE REFERENCE: 13839-00012
 23 <140> CURRENT APPLICATION NUMBER: US 09/706,507
 C--> 24 <141> CURRENT FILING DATE: 2002-02-04
 26 <150> PRIOR APPLICATION NUMBER: GB 9015198.6
 27 <151> PRIOR FILING DATE: 1990-07-10
 29 <150> PRIOR APPLICATION NUMBER: GB 9022845.3
 30 <151> PRIOR FILING DATE: 1990-10-19
 W--> 32 <150> PRIOR APPLICATION NO: GB 9022845.3
 33 <151> PRIOR FILING DATE: 1990-10-19
 35 <150> PRIOR APPLICATION NUMBER: GB 9024503.6
 36 <151> PRIOR FILING DATE: 1990-11-12
 38 <150> PRIOR APPLICATION NUMBER: GB 9104744.9
 39 <151> PRIOR FILING DATE: 1991-03-06
 41 <150> PRIOR APPLICATION NUMBER: GB 9110549.4
 42 <151> PRIOR FILING DATE: 1991-05-15
 44 <150> PRIOR APPLICATION NUMBER: PCT/GB91/01134
 45 <151> PRIOR FILING DATE: 1991-07-10
 47 <150> PRIOR APPLICATION NUMBER: US 07/971,857
 48 <151> PRIOR FILING DATE: 1993-01-08
 50 <150> PRIOR APPLICATION NUMBER: US 08/484,893
 51 <151> PRIOR FILING DATE: 1995-06-07
 53 <160> NUMBER OF SEQ ID NOS: 272
 55 <170> SOFTWARE: PatentIn version 3.1
 57 <210> SEQ ID NO: 1
 58 <211> LENGTH: 5
 59 <212> TYPE: PRT
 60 <213> ORGANISM: Bacteriophage fd

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/706,507

DATE: 03/11/2002

TIME: 10:11:19

Input Set : A:\EP.txt

Output Set: N:\CRF3\03112002\I706507.raw

```

62 <400> SEQUENCE: 1
64 Gln Val Gln Leu Gln
65 1 5
68 <210> SEQ ID NO: 2
69 <211> LENGTH: 5
70 <212> TYPE: PRT
71 <213> ORGANISM: Bacteriophage fd
73 <400> SEQUENCE: 2
75 Val Thr Val Ser Ser
76 1 5
79 <210> SEQ ID NO: 3
80 <211> LENGTH: 5
81 <212> TYPE: PRT
82 <213> ORGANISM: Bacteriophage fd
84 <400> SEQUENCE: 3
86 Leu Glu Ile Lys Arg
87 1 5
90 <210> SEQ ID NO: 4
91 <211> LENGTH: 75
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: oligonucleotide for mutagenesis
98 <400> SEQUENCE: 4
99 actttcaaca gtttctgagg ccgcccgttt gatctcgagc tcttcagatt ggacctgtgc 60
101 actgtgagaa tagaa 75
104 <210> SEQ ID NO: 5
105 <211> LENGTH: 22
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: PCR primer
112 <400> SEQUENCE: 5
113 aggtgcagct gcaggagtca gg 22
116 <210> SEQ ID NO: 6
117 <211> LENGTH: 34
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: PCR primer
124 <400> SEQUENCE: 6
125 ggtgacctcg agtgaagatt tgggctcaac tttc 34
128 <210> SEQ ID NO: 7
129 <211> LENGTH: 27
130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: PCR primer
136 <400> SEQUENCE: 7

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/706,507

DATE: 03/11/2002

TIME: 10:11:19

Input Set : A:\EP.txt

Output Set: N:\CRF3\03112002\I706507.raw

137 tgaggacwgc gccgtctact actgtgc 27

140 <210> SEQ ID NO: 8

141 <211> LENGTH: 24

142 <212> TYPE: DNA

143 <213> ORGANISM: Artificial Sequence

145 <220> FEATURE:

146 <223> OTHER INFORMATION: oligonucleotide probe distinguishing between pAb D1.3 and

pAB NQ1

147 1

149 <400> SEQUENCE: 8

150 gtagtcaagc ctataatctc tctc 24

153 <210> SEQ ID NO: 9

154 <211> LENGTH: 51

155 <212> TYPE: DNA

156 <213> ORGANISM: Artificial Sequence

158 <220> FEATURE:

159 <223> OTHER INFORMATION: PCR primer

161 <400> SEQUENCE: 9

162 tattctcaca gtgcacaaac tgttgaacgg acaccagaaa tgccgtgtct g 51

165 <210> SEQ ID NO: 10

166 <211> LENGTH: 39

167 <212> TYPE: DNA

168 <213> ORGANISM: Artificial Sequence

170 <220> FEATURE:

171 <223> OTHER INFORMATION: PCR primer

173 <400> SEQUENCE: 10

174 acatgtacat gcggccgctt tcagccccag agcggcttt 39

177 <210> SEQ ID NO: 11

178 <211> LENGTH: 33

179 <212> TYPE: DNA

180 <213> ORGANISM: Artificial Sequence

182 <220> FEATURE:

183 <223> OTHER INFORMATION: PCR primer

185 <400> SEQUENCE: 11

186 tttaatgagg atccacaggt gcagctgcaa gag 33

189 <210> SEQ ID NO: 12

190 <211> LENGTH: 30

191 <212> TYPE: DNA

192 <213> ORGANISM: Artificial Sequence

194 <220> FEATURE:

195 <223> OTHER INFORMATION: PCR primer

197 <400> SEQUENCE: 12

198 aacgaatgga tcccgtttga tctcaagctt 30

201 <210> SEQ ID NO: 13

202 <211> LENGTH: 24

203 <212> TYPE: DNA

204 <213> ORGANISM: Artificial Sequence

206 <220> FEATURE:

207 <223> OTHER INFORMATION: oligonucleotide for mutagenesis - removal of a BamH1 site

209 <400> SEQUENCE: 13

RAW SEQUENCE LISTING

DATE: 03/11/2002

PATENT APPLICATION: US/09/706,507

TIME: 10:11:19

Input Set : A:\EP.txt

Output Set: N:\CRF3\03112002\I706507.raw

210 caaacgaatg ggtcctcctc atta 24

213 <210> SEQ ID NO: 14

214 <211> LENGTH: 26

215 <212> TYPE: DNA

216 <213> ORGANISM: Artificial Sequence

218 <220> FEATURE:

219 <223> OTHER INFORMATION: oligonucleotide for mutagenesis - introduction of a BamH1 site

221 <400> SEQUENCE: 14

222 ccrccaccct cggatccrcc accctc 26

225 <210> SEQ ID NO: 15

226 <211> LENGTH: 15

227 <212> TYPE: PRT

228 <213> ORGANISM: Artificial Sequence

230 <220> FEATURE:

231 <223> OTHER INFORMATION: linker between VH and VLK

233 <400> SEQUENCE: 15

235 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser

236 1 5 10 15

239 <210> SEQ ID NO: 16

240 <211> LENGTH: 23

241 <212> TYPE: DNA

242 <213> ORGANISM: Artificial Sequence

244 <220> FEATURE:

245 <223> OTHER INFORMATION: primer for reverse transcription

247 <400> SEQUENCE: 16

248 ctggacaggg atccagagtt cca 23

251 <210> SEQ ID NO: 17

252 <211> LENGTH: 23

253 <212> TYPE: DNA

254 <213> ORGANISM: Artificial Sequence

256 <220> FEATURE:

257 <223> OTHER INFORMATION: primer for reverse transcription

259 <400> SEQUENCE: 17

260 ctggacaggg ctccatagtt cca 23

263 <210> SEQ ID NO: 18

264 <211> LENGTH: 32

265 <212> TYPE: DNA

266 <213> ORGANISM: Artificial Sequence

268 <220> FEATURE:

269 <223> OTHER INFORMATION: PCR primer

271 <400> SEQUENCE: 18

272 tgaggagacg gtgaccgtgg tcccttggcc cc 32

275 <210> SEQ ID NO: 19

276 <211> LENGTH: 22

277 <212> TYPE: DNA

278 <213> ORGANISM: Artificial Sequence

280 <220> FEATURE:

281 <223> OTHER INFORMATION: PCR primer

283 <400> SEQUENCE: 19

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/706,507

DATE: 03/11/2002

TIME: 10:11:19

Input Set : A:\EP.txt

Output Set: N:\CRF3\03112002\I706507.raw

```

284 aggtsmarct gcagsagtcw gg                                22
287 <210> SEQ ID NO: 20
288 <211> LENGTH: 24
289 <212> TYPE: DNA
290 <213> ORGANISM: Artificial Sequence
292 <220> FEATURE:
293 <223> OTHER INFORMATION: PCR primer
295 <400> SEQUENCE: 20
296 ccgtttgatt tccagcttgg tgcc                                24
299 <210> SEQ ID NO: 21
300 <211> LENGTH: 24
301 <212> TYPE: DNA
302 <213> ORGANISM: Artificial Sequence
304 <220> FEATURE:
305 <223> OTHER INFORMATION: PCR primer
307 <400> SEQUENCE: 21
308 ccgttttatt tccagcttgg tccc                                24
311 <210> SEQ ID NO: 22
312 <211> LENGTH: 24
313 <212> TYPE: DNA
314 <213> ORGANISM: Artificial Sequence
316 <220> FEATURE:
317 <223> OTHER INFORMATION: PCR primer
319 <400> SEQUENCE: 22
320 ccgttttatt tccaactttg tccc                                24
323 <210> SEQ ID NO: 23
324 <211> LENGTH: 24
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: PCR primer
331 <400> SEQUENCE: 23
332 ccgtttcagc tccagcttgg tccc                                24
335 <210> SEQ ID NO: 24
336 <211> LENGTH: 24
337 <212> TYPE: DNA
338 <213> ORGANISM: Artificial Sequence
340 <220> FEATURE:
341 <223> OTHER INFORMATION: PCR primer
343 <400> SEQUENCE: 24
344 gacattgagc tcacccagtc tcca                                24
347 <210> SEQ ID NO: 25
348 <211> LENGTH: 24
349 <212> TYPE: DNA
350 <213> ORGANISM: Artificial Sequence
352 <220> FEATURE:
353 <223> OTHER INFORMATION: PCR primer
355 <400> SEQUENCE: 25
356 tggagactcg gtgagctcaa tgtc                                24

```

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 03/11/2002

PATENT APPLICATION: US/09/706,507

TIME: 10:11:20

Input Set : A:\EP.txt

Output Set: N:\CRF3\03112002\I706507.raw

L:24 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:32 M:288 W: Application Number is Repeated, <150> PRIOR APPLICATION NUMBER
L:512 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37
L:541 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38
L:995 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:75
L:1014 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:1033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:77